PD-AAL-697 9310231 (5)

Date: JAN 21 1976

MEMORANDUM FOR: Members of the Research and Development Committee

FROM: TA/PPU, Carl R. Fritz

SUBJECT: Approved Project Identification Document

Attached is a copy of a Project Identification Document (PID) which has been approved by the Assistant Administrator for Technical Assistance for project design and the drafting of a Project Paper (PP

Project Title: Improving Nutritive Value of Wheat Products

Project Number: 931-11-560-231

Initial FY: FY 1976

Responsible Office: TA/N

If you have any comments, questions or issues which you would like to see addressed in the PP, please send them directly to the responsible office listed above with a copy to TA/PPU. They should be received by that office within two weeks/~~one month~~, so that the comments can be addressed by the drafter.

The draft PP will be submitted to the Research and Development Committee for review and comment. However, we encourage your comments as early in the design process as feasible so that the project can be responsive to Agency concerns.

Attachment: a/s

cc: TA Technical Office

MEMORANDUM

DATE: December 1, 1975

TO : AA/TA, Mr. Curtis Farrar

FROM : TA/PPU, John N. [illegible]

SUBJECT: PID Clearance

Project Title: Improving Nutritive Value of Wheat Products

Begins FY 1976 .

1. The PID complies with the following AA/TA instructions if the appropriate block is checked. Otherwise, comments are attached.

   [X] a. Main points of Program Guidance #3 covered. Alternatives: (p.2,E), Irrelevant to this section.

   [X] b. AA/TA budget review comments have been incorporated or adequately appealed in the narrative. See attached minutes of AA/TA Review of TA/N Program Submission, pp. 4-5.

   [X] c. Proposed funding is within limits described in TA Bureau FY 76/77 Program Submission to PPC and/or as amended by current OYB. FY 78 budget level not included.

   [ ] d. Dates of PP development, approval and project initiation are realistic and consistent with the Program Submission.

[ ] 2. This PID has been in TA/PPU and staff work is incomplete because of [ ] TA/PPU work pressure, or [ ] Tech office work pressure. We recommend you return the PID for further review prior to your final decision.

3. We recommend the following action:

   [X] a. Approval

   [ ] (1) subject to determination of activities that will be centrally funded and those regional bureau/mission/country funded. Comments from mission on this PID should be considered and/or incorporated in PP. This project should be coordinated with TA/AGR and other organizations involved with pilot projects and planned activities in this area.

   [ ] b. Disapproval or delay for reasons specified in attached.

4. AA/TA Action

   [X] Approved

   [ ] Subject to para 3

   [ ] Disapproved

Curtis Farrar
Signature

12-4-75
Date

AGENCY FOR INTERNATIONAL DEVELOPMENT

PROJECT IDENTIFICATION DOCUMENT FACESHEET

TO BE COMPLETED BY ORIGINATING OFFICE

1. TRANSACTION CODE (AT APPROPRIATE BOX)
[X] ORIGINAL [ ] CHANGE
[ ] ADD [ ] DELETE

PD
DOCUMENT CODE 1

2. COUNTRY/NATIONAL ENTITY/GRANTEE
Inter-regional CTS - KPA 83

3. DOCUMENT REVISION NUMBER

4. PROJECT NUMBER
931-11-560-231

5. BUREAU
A. SYMBOL: TAB
B. CODE: 6

6. PROPOSED NEXT DOCUMENT
A. [ ] PRP [X] PP B. DATE MO. 1 8 YR. 7 5

7A. PROJECT TITLE - SHORT (STAY WITHIN BRACKETS)
[Improving Nutritive Value of Wheat Products]

8. ESTIMATED FY OF AUTHORIZATION/OBLIGATION
A. INITIAL FY 76 B. FINAL FY 78

7B. PROJECT TITLE - LONG (STAY WITHIN BRACKETS)

Contractor: NA
Project Manager I. Hornstein

9. ESTIMATED COST (LIFE OF PROJECT)
($000 OR EQUIVALENT, $1 = 605)

PROJECT FINANCING	AMOUNT
A. AID APPROPRIATED	605
B. OTHER U.S.	
C. HOST GOVERNMENT	
D. OTHER GOVERNMENT	
TOTAL	605

10. ESTIMATED COSTS/AID APPROPRIATED FUNDS ($000)

A. APPROPRIATION WITHIN CODE	B. PRIMARY PURPOSE CODE	C. PRIMARY TECH. CODE	FIRST YEAR D. GRANT	FIRST YEAR E. LOAN	ALL YEARS F. GRANT	ALL YEARS G. LOAN
FN		FY 76	380		380	
		10			0	
		FY 77			75	
		FY 78			150	
		TOTAL	380		605	

11. OTHER U.S. ($000)

A. PROGRAM TYPE	B. FIRST YEAR	C. ALL YEARS
TOTAL		

12. PROJECT GOAL (STAY WITHIN BRACKETS)

[Increasing the Availability of Low Cost Nutritious Foods.]

13. PROJECT PURPOSE(S) (STAY WITHIN BRACKETS)

[To assist LDCs to implement nutritional fortification of locally consumed wheat based foods; to provide technical advice assistance to LDCs, research institutes and voluntary agencies regarding nutrient improvement of wheat; to disseminate information on available technology and means for implementing wheat fortification.]

Countries involved: up to 8 to be selected by 1977

14. PLANNING RESOURCE REQUIREMENTS (STAFF/FUNDS)

20 mandays of TA/F monitoring and 20 mandays of RSSA

15. ORIGINATING OFFICE CLEARANCE

SIGNATURE: Martin J. Farmon

TITLE: Director, Office of Nutrition

DATE SIGNED: MO. 10 DAY 31 YR. 75

16. DATE RECEIVED IN AID/W, OR FOR AID/W DOCUMENTS, DATE OF DISTRIBUTION

MO. DAY YR.

AID 1330-2 (5-75)

BEST AVAILABLE COPY

IMPROVING NUTRITIVE VALUE OF WHEAT PRODUCTS

I. SUMMARY OF PROBLEM

A. Problem Solution

This project will test and evaluate methods for improving the nutritive value of wheat products through fortification and through composite flour technology. There are hundreds of millions of people in developing countries whose major food staple is wheat. AID-sponsored research has proven the feasibility of adding protein concentrates and minerals and vitamins to wheat flour at the mill or bakery. Effective testing of these techniques will contribute significantly to the overall goal of making available low-cost nutritious foods.

B. Project Description

1. Outputs: A project will be established to utilize and further refine technologies which have been developed to improve the nutritive value of wheat products. Principal outputs will include: a) Selection of a food or foods to be fortified in two countries and selection of methods of fortification. (Selection will be based on such factors as nutritional need, consumption patterns, location of vunerable groups, food manufacturing installations and processes, and costs of implementation.) b) Full-scale production of the fortified food. c) Distribution of the food, and marketing in those cases where a commercial channel is used. d) Evaluation of the program.

2. Inputs: There will be three principal sources of input to the project. The major continuing technical assistance and administration of the project will be provided by the USDA Western Regional Laboratory which has, or can easily obtain, all the necessary expertise to carry out this wheat utilization project, and has specialized experience and capability in utilization work of this type. Secondly, it is expected that certain specialized inputs will be obtained from Kansas State University and other institutions. In particular, Kansas State University will supply advisory assistance relating to the adaptation of the wheat fortification processes which they have devised. Finally, the technical experts provided will work with a local private or government food manufacturing and distribution facility interested in producing and marketing a fortified product. (The U.S. experts will supplement their own efforts by hiring local

USDA

marketing, advertising and promotional personnel or organizations to plan the introduction of the fortified food and assist in market evaluation).

3. Disbursement Period: Inputs to the project will be provided over a period of three years.

C. Assumptions

This project rests on two assumptions. The first is that fortification techniques, which have been devised, can be adapted and utilized in a real situation in such a way as to be both practical, economically feasible and effective. The second is that local private organizations and government organizations, if applicable, will be interested in these techniques and will be willing to try them out on a sufficient scale to provide a fair test.

D. Other Related Activities

This project rests on previous work to develop suitable fortification techniques, primarily that of Kansas State University. In addition, several pilot projects dealing with some of the approaches in this field have been undertaken, or are planned. These include addition of micronutrients to wheat in Tunisia and Pakistan, and soy fortification of bread in Korea and El Salvador. (Several new programs, under development by AID in Latin America, and the World Bank in Brazil, also comtemplate fortification of wheat as project elements.) This project will fill in gaps which have not yet been adequately addressed, while drawing where appropriate from these projects

E. Alternatives

There is a need for further work, particularly field trial and evaluation, before the techniques, to be refined and tested under this project, are ready for implementation by Missions. The project has, accordingly, been developed for central funding.

F. Beneficiaries

This project will be addressed directly to LDC food companies and governments engaged in producing and distributing food. The indirect, or ultimate beneficiaries, will be lower income groups who consume significant quantities of wheat products.

G. Spread Effect

As indicated in A above, the project is expected to have relevance to a wide number of countries whose populations consume wheat products.

The information developed under this project will be made available to potential users for replication. In addition to the distribution of reports, a conference will be held mid-way through the project to describe available technologies and means for their implementation.

II. FINANCIAL REQUIREMENTS AND PLANS

Cost

A total cost of $605,000 is estimated for a duration of three years. These costs are allocated as follows: $160,00 LDC team visits (8), $300,000 development assistance, $105,000 technical assistance (KSU), $40,000 conference.

The project will seek to refine, test and demonstrate a new approach for subsequent widespread application. As such, technical assistance provided will be wholly funded by AID. It should be noted, however, that the host country organization participating in the project will put up substantial resources (such as bakeries, flour mills, existing food distribution systems, etc.) required to utilize the assistance provided in putting a new product into production and distribution.

III. DEVELOPMENT OF THE PROJECT

As described above, the project has been preceded by research to develop appropriate fortification processes, most notably the work of Kansas State University in adding soy to wheat flour. Information is also being drawn from projects underway, or planned, in Tunisia, Pakistan, Korea and El Salvador. In addition to these pre-project steps, teams will visit approximately eight countries to analyze the potential for developing a large-scale demonstration and to select two appropriate countries and sites for the demonstrations.

The PP is scheduled for submission December 1975 (FY 76).

IV. POLICY ISSUES

There are no major policy issues.

PD-AAL-697 931023/(6)

April 23, 1976

MEMORANDUM

TO: AA/TA, Mr. Curtis Farrar

FROM: TA/PPU, John N. Gunning

SUBJECT: Improving Nutritive Value of Wheat Foods Project Paper

This proposed project is designed (1) to adapt and prove the feasibility in LDC situations of implementing new fortification technologies for low-cost nutritionally improved wheat-based food, to provide technical assistance to LDCs for; and (2) to disseminate information on available technology for implementing wheat fortification. The project will be carried out through a RSSA with the Western Regional Center to be administered by the Nutrition Group, USDA. Total project funding is $605,000 for a duration of three year

A Research and Development Committee meeting was held on March 9, 1976 to discuss the proposed project. The Committee recommended approval of the project with the understanding that their issues and comments would be incorporated in the PP.

On April 12, 1976 the PP was circulated for R&DC optional comments. No other issues have been raised regarding this project.

The PP is now ready for final processing. TA/PPU recommends that you approve the project, at a total funding level of $605,000 for a duration of three years, by signing p. 2 of the PP.

Attachment:

A. Improving Nutritive Value of Wheat Foods Project Paper

PN-AAL-697 9310231 (7)

Informal Minutes of the Research and Development Committee
Held on March 9, 1976

Project: Improving Nutritive Value of Wheat Foods (KPA 8, GTS) 231

Project Manager: Dr. Irwin Hornstein, TA/N

Dr. Irwin Hornstein, TA/N, summarized the project, pointing out that it is designed to utilize existing technology in improving the nutritive value of wheat foods. From the research in this area, it has been found that adding soy to wheat flour increases the protein level. A RSSA with the USDA, Western Regional Research Center will be the mechanism for project implementation. Project activities will be coordinated with Kansas State University and other institutions/donor agencies experienced in fortification of wheat foods.

Highlights of the Discussion:

The major issues raised on the introduction of the new technology in a LDC were: (1) reaching the poor majority, (2) the cost for fortified wheat products, and (3) national policy.

NE/TECH (Dalton): Raised the question on when is a new technology introduced in a LDC.

TA/N (Hornstein): Responded that it can be done through any entity in the LDC.

AFR/DS (Cross): Asked how the project would reach the poor majority.

Queried (1) whether the cost would increase for fortified foods; (2) the commitment of the government; (3) is it part of the national policy, and (4) what other roles is the HG willing to assume.

TA/N (Hornstein): Pointed out that there is no single intervention for reaching the rural poor. There is also the urban poor problem. The project seeks to reach the poor wherever they may be.

Before implementing the project in the two LDCs, cooperation from the LDC governments will be obtained initially to be sure that the cost for fortified wheat products would not increase. It is hoped that the governments will include this in national policy for feeding programs.

FFP (Sheehan): Questioned whether programs in other countries have been used as models for Food for Peace programs for piggy-backing or as an alternative.

USDA/ERS (Crowley): This is to be a "large utilization project" versus earlier model or pilot project, e.g., Tunisia, India, etc.

LA/DR (Breitenbach): Stated that as long as fortified food is made available free, i.e., the FFP, there is no problem. However, if the private sector is used for producing fortified foods, there would be an increase in cost. An attempt should be made to find ways to produce products at a low cost in order to be able to address the Congressional Mandate. It would be beneficial to get the government to invest in the fortification of wheat products. There needs to be a budgetary commitment from the LDC.

SER/ENGR (Rixse): Made the motion that the R&DC endorse the project, and that their comments be incorporated in the PP for final review. Mr. Rixse stressed choice (of country) should not be made solely on cost factor.

ACTION REQUIRED:

The PP should include the following:

a. a statement on how the project would benefit the poor;

b. linkage to other Food for Peace programs and substitutes for Title II, P.L. 480. Tie in with existing AID program as opposed to programs where AID has phased out; and

c. the relationship to private industry in producing food.